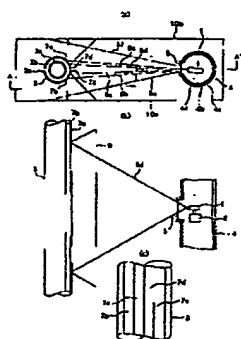
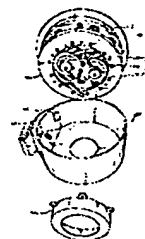


sectional and expanded views of coke oven under camera monitoring condition. (1) Camera. (11pp)



molded through the extruding holes into regular length and an outlet (420) which discharges the cut-molded materials. (1pp Dwg.No.1/10)  
C2004-268052



SUMQ H09 2001-393065/42 =JP 3591392-B2

Waste plastic processing method involves introducing waste plastic and coal into coke oven, such that preset difference is maintained between repose angle of waste plastic and repose angle of coal

SUMITOMO METAL IND LTD 1999.10.21 1999JP-299774

A35 P43 (2004.11.17) \*JP 2001115166-A C10B 53/00, B09B 3/00,

C08J 11/12, C10B 57/04

Previous Publ. JP2001115166-A

**Novelty:** The method involves introducing waste plastic and coal into a coke oven. The difference between the repose angle of waste plastic and the repose angle of coal, is set to  $\pm 10^\circ$  or less.

**Use:** For processing waste plastic, such as polyethylene terephthalate, polypropylene, polystyrene and vinyl chloride.

**Advantage:** Segregation of the waste plastic in the coke oven is prevented. Blending ratio of the waste plastic and coal is increased. (7pp)

\*FEMA- H09 2004-763401/75 \*KR 2004060900-A

Material for promoting coal combustion

FEMA CO LTD 2004.06.16 2004KR-044275

E37 (2004.07.06) C10L 9/10, C10L 9/00

**Novelty:** Material for promoting coal combustion comprises 2-10 % of boron having a magnesium content of 35-40 wt.% by reducing boron oxide into magnesium, 2-10 % of aluminum oxide, 2-10 % of sodium hydroxide, 2-10 % of manganese dioxide, 2-10 % of ferric oxide, 2-10 % of sodium nitrate, 2-10 % of calcium carbonate, 2-10 % of chromium, 2-10 % of calcium hydroxide, 25-40 % of sawdust and 25-40 % of bran.

**Use:** For promoting coal combustion.

**Advantage:** The novel material supports the complete combustion of the coal.

C2004-267917

\*KOAU- H09 2004-763989/75 \*KR 2004064424-A

Device for molding solid fuel by using waste

KOREA AUTOMATION JH 2003.01.13 2003KR-001980

(2004.07.19) C10L 5/48

Addn. Data: KOREA INST MACHINERY & MATERIALS (KOMA-)

**Novelty:** A device for molding solid fuel molds various hard-to-treat wastes into more qualified and standardized solid fuel.

**Detailed Description:** The device comprises an extruding metallic pattern (100) which is engaged with a rotary drum (2) to rotate, has an empty circular ring-shaped inner part and many extruding holes on the outer side, a pressurizing body (200) installed on the inner part of the extruding metallic pattern, rotated by frictional force of the contact surface generated by the rotation of the extruding metallic pattern, pressurizes inputted waste to push it out through the extruding holes and comprises two rolling bodies (200a), an installing plate (215) to join the two rolling bodies and a guide (215) guiding the waste put-in the inner part cover to the extruding metallic pattern, an inner part cover (300) which is joined at the front part of the extruding metallic pattern, forms a space to contain the inputted waste and comprises a first cover (300a) and a second cover (300b) and an outer part cover (400) which has an opening part where the waste is inputted, a cutter (410) cutting the molded materials